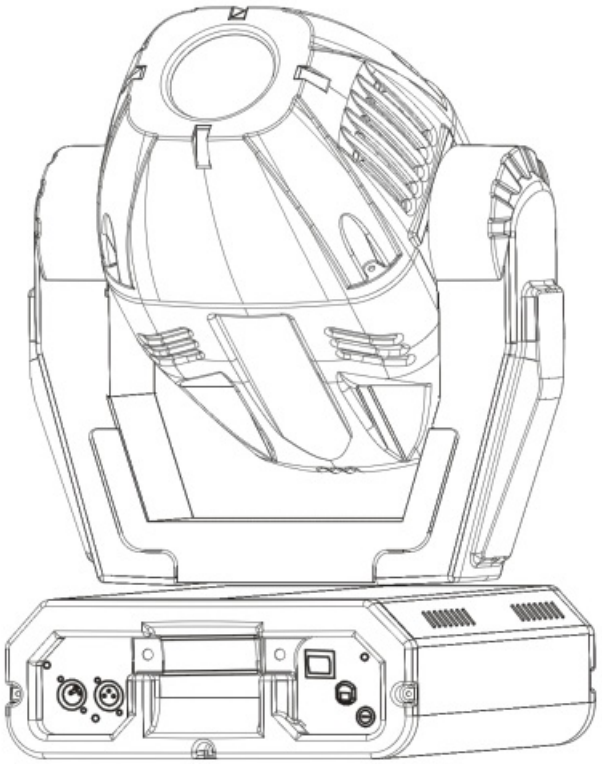
SERIES SHOW

CE

SPOT 575



USER MANUAL

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Please read over this manual before operation the light

1.Open the box and checking

Congratulations on choosing our products! Please carefully read this instruction manual in its entirety and keep it well for using reference. This manual contained about the installation and the relative using information of this products. Please according to this manual's relative speaking when using this equipment.

This equipment was made of new style, high intensity plastic and cast aluminium. It fully shows the modem times light characteristic with beauty structure. And it was made according to CE standard. Fully up the international standard of DMX512 agreement. Master or slave in phase control. Can be use in large entertainment, theater, performing and playing hall, etc.

This product uses MSR 575/2 electrical arc lamp. When receiving this product please carefully bring and put; and check that whether this equipment has been damaged or not during transportation. And please also check the following thing was enclosed:

Signal line ---------- one piece Safety string ----------one piece

User Manual----------one set

2. Safety instructions

Every person involved with installation and maintenance of this device have to:

- be qualilfied
- follow the instructions of this manual

CAUTION:

- **K**eep this device away from rain and moisture!
- **U**nplug mains lead before opening the housing!
- **F**OR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
- **B**EFORE YOU INITIAL START - UP!
- **B**e careful with your operations.
- **W**ith a high voltage you can suffer a dangerous electric shock when touching the wires!
- **T**his device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes writtenin this manual.

Important:

- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.
- Please consider that damages caused by manual modifications to the device are not subject to warranty.
- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Make sure that the available voltage is not higher than stated on the rear panel.
- Always plug in the power plug least. Make sure that the power-switch is set to OFF-position before you connect the device to the mains. The power-plug has to be accessable after installing the device.
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the powercord from time to time.

- by the plug. Never pull out the plug by tugging the power-cord.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- The electric connection, repairs and servicing must be carried out by a qualified employee.
- Do not connect this device to a dimmer pack.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp s life.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Do not touch the device s housing bare hands during its operation (housing becomes hot)!
- For replacement use lamps and fuses of same type and rating only.

CAUTION :

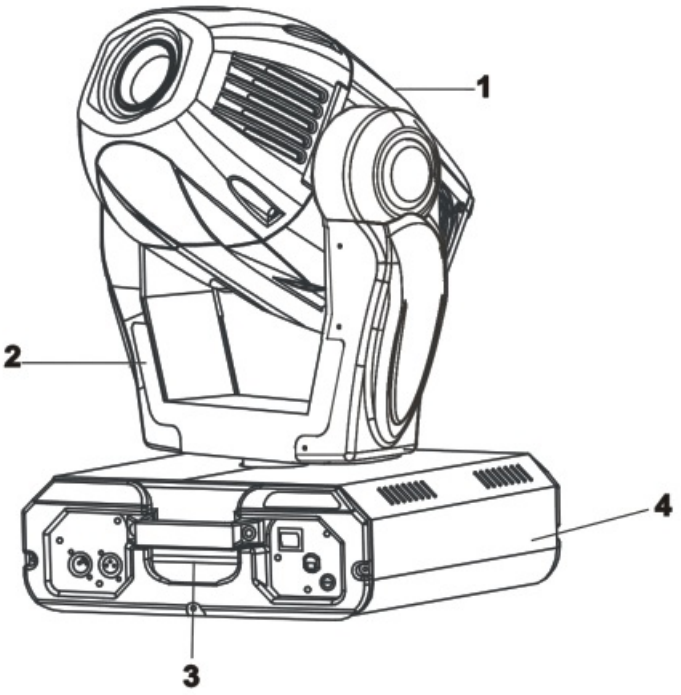
EYE DAMAGES !

Avoid looking directly into the light source(meant especially for epileptics) !

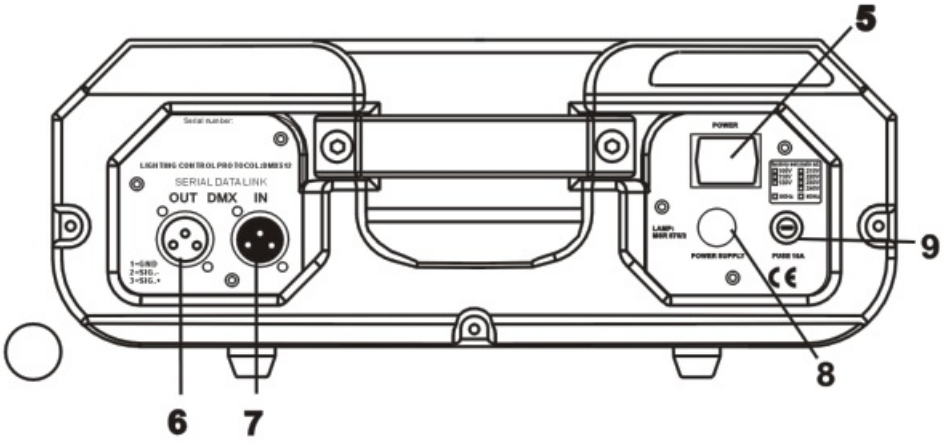
3. Operating determinations

- This device is a moving-head spot for creating decorative effects and was designed for indoor use only.
- If the device has been exposed to drastic temperature fluctuation (e.g. After transport-ation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- Never run the device without lamp!
- Do not shake the device. Avoid brute force when installing or operating the device.
- Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold thefixture at the transport handles.
- When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moistureor dust.There should not be any cables lying around.You endanger your own and the safety of others!
- The minimum distance between light-output and the illuminated surface must be more than 2 meters.
- Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.Always fix the fixture with an appropriate safety-rope. Fix the safety-rope at the correct holes only.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- The lamp must never be ignited if the objective-lens or any housing-cover is open, as discharge lamps mayexplose and emit a high ultraviolet radiation, which may cause burns.
- The maximum ambient temperature ta = 40℃ must never be exceeded. Otherwise, the lamp is switched off andthe fixture is out of operation for 5 minutes..

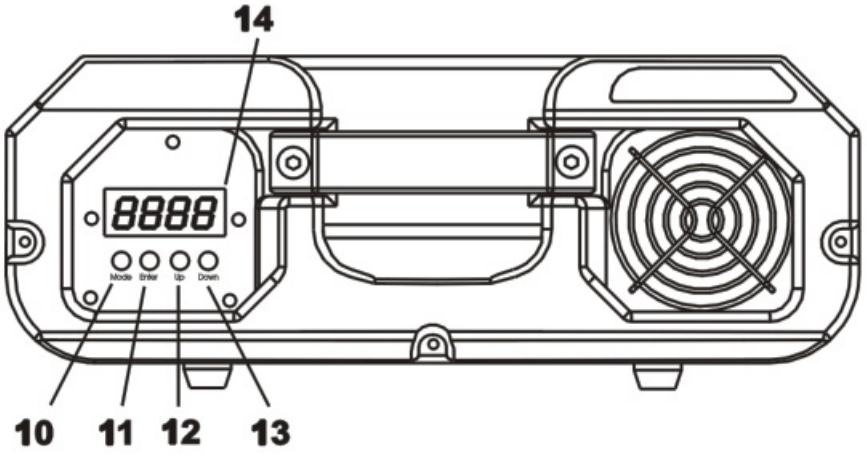
4.Description of the device



1 - Moving head
2 - Yoke
3 - Carry handles
4 - Base



Rear panel:
5 -Power switch
6 -DMX output
7- DMX input
8- Power cord
9- Fuel holder



Front panel:
10 - Mode-button
11 - Enter-button
12 - Up-button
13- Down-button
14- Display

5.Installion

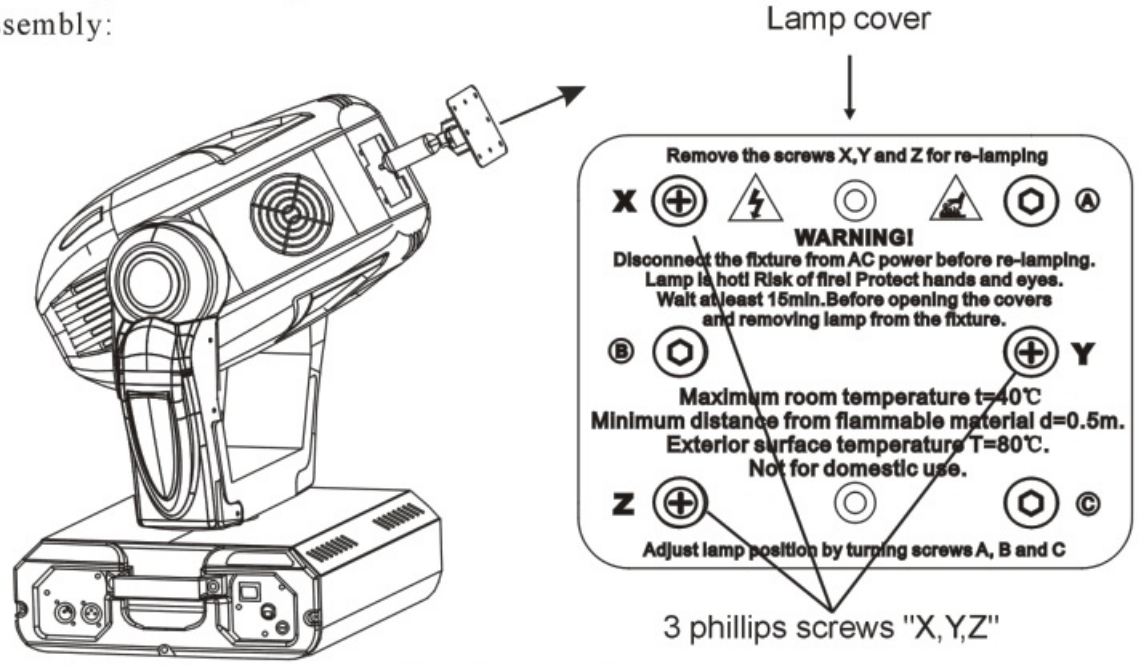
5.1 **Fitting the lamp**

To insert the lamp MSR 575/2 95V/575W GX-9,5 loosen the lamp cover at the rear of head (see the drawings) by remowing the 3 fastening screws which are marked "X,Y,Z". Carefully pull out the cover with the lamp socketassembly.If changing the lamp, remove the old lamp from the socket. Insert the lamp to the socket.

Do not install a lamp with a higher wattage! A lamp like this generates temperatures the device is not de-signed for.Damages caused by non-observance are not subject to warranty. Please follow the lamp manufacturer notes!Do not touch the glass-bulb with bare hands during the installation! Make sure that thelamp is installed tightly into the lampholder system.

Reclose the lamp cover and tighten the 3 screws.

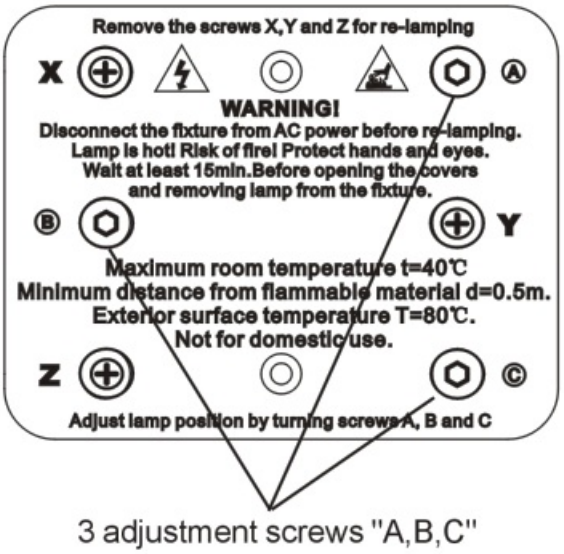
.Lamp assembly:


Lamp cover
Remove the screws X,Y and Z for re-lamping
X
A
WARNING!
Disconnect the fixture from AC power before re-lamping.
Lamp is hot! Risk of fire! Protect hands and eyes.
Wait at least 15min.Before opening the covers
and removing lamp from the fixture.
B
Y
Maximum room temperature t=40℃
Minimum distance from flammable material d=0.5m.
Exterior surface temperature T=80℃.
Not for domestic use.
Z
C
Adjust lamp position by turning screws A, B and C
3 phillips screws "X,Y,Z"

Do not operate this fixture with opened housing-cover!

5.2 Lamp adjust

The SPOT 575 lampholder is aligned at the factory. Due to differences between lamps , fine adjustment may improve light performance.Strike the lamp,open the shutter and the iris,set the dimmer intensity onto 100% and focus the light on a flatsurface (wall).Center a hot-spot(the brightest part of the image) by using the 3 adjustment screws "A,B,C".Turn one screw after another a quarter-turn clokwise(counter-clokwise. If you cannot detect the hot-spot,adjust the lamp until the light is evenly distributed.

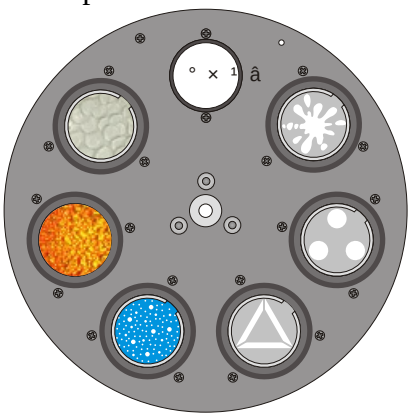

Remove the screws X,Y and Z for re-lamping
X
A
WARNING!
Disconnect the fixture from AC power before re-lamping.
Lamp is hot! Risk of fire! Protect hands and eyes.
Wait at least 15min.Before opening the covers
and removing lamp from the fixture.
B
Y
Maximum room temperature t=40℃
Minimum distance from flammable material d=0.5m.
Exterior surface temperature T=80℃.
Not for domestic use.
Z
C
Adjust lamp position by turning screws A, B and C
3 adjustment screws "A,B,C"

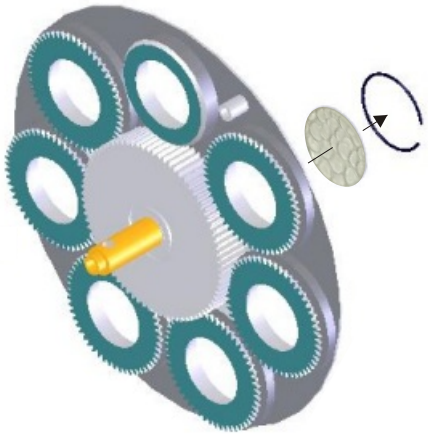
5.3 Inserting/Exchanging gobos

DANGER: Install the gobos with the device switched off only. Unplug from mains before!

If you wish to use other forms and patterns as the standard-gobos, or if gobos are to be exchanged, open the topcover of the head by loosening 2 screws on the top cover. Remove the fixation ring with an appropriate tool. Remove the gobo and insert the new gobo. Press the fixation ring together and insert it in the front of the gobo.

CAUTION: Never unscrew the screws of the rotating goboas the ball bearing will otherwise be opened!



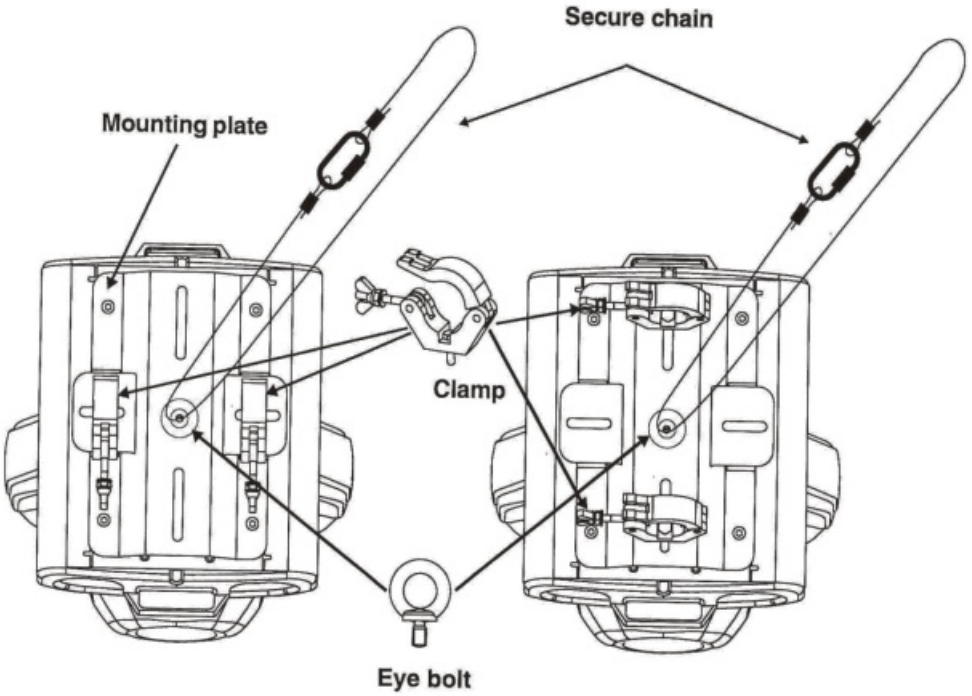


5.4 Rigging the fixture

DANGER TO LIFE:Please consider the respective national norms during the installation!The installation must only be carried out by an authorized dealer!

- The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.
- When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.
- The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.
- The operator has to make sure that safety-relating and machine-technical installations are approved by an expert after every four year in the course of an acceptance test.
- The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.
- The projector should be installed outside areas where persons may walk by or be seated.
- IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including (but not limited to)calculating working load limits, installation material being used, and periodic safety inspection of all installationmaterial and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.
- The projector has to be installed out of the reach of people.
- If the projector shall be lowered from the ceiling or high joists, professional trussing systems have to be used. The projector must never be fixed swinging freely in the room.
- **Caution:** Projectors may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the projector!
- Before rigging make sure that the installation area can hold a minimum point load of 10 times the projector s weight.

- The projector can be placed directly on the stage floor or rigged in any orientation on a truss without altering its operation characteristics.
- For overhead use, always install a safety-rope that can hold at least 10 times the weight of the fixture. You must only use safety-ropes with screw-on carabines. Pull the safety-rope through the two apertures on the bottom of the base and over the trussing system etc. Insert the end in the carabine and tighten the fixation screw.



5.5 Connection to the mains

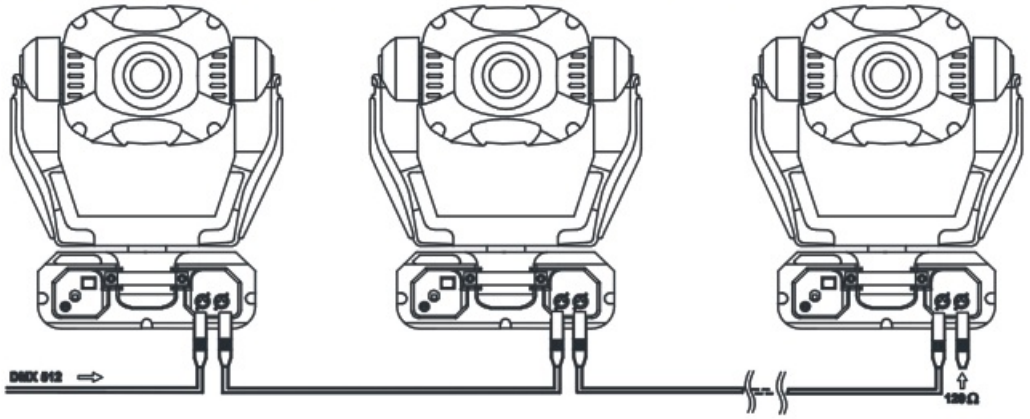
Verify the power supply settings before applying power!

If you wish to change the power supply settings,see the chapter Appendix.
Connect the fixture to the mains with the enclosed power cable and plug.
The earth has to be connected!

The occupation of the connection-cables is as follows:

Cable (EU)	Cable (US)	Pin	International
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	⏚

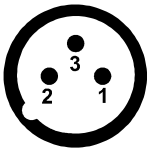
5.6 DMX-512 connection/connection between fixtures



Only use a stereo shielded cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

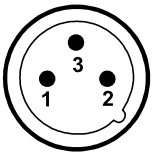
Occupation of the XLR-connection:

DMX-OUTPUT
XLR mounting-socket:



1- Ground
2 - Signal (-)
3 - Signal (+)

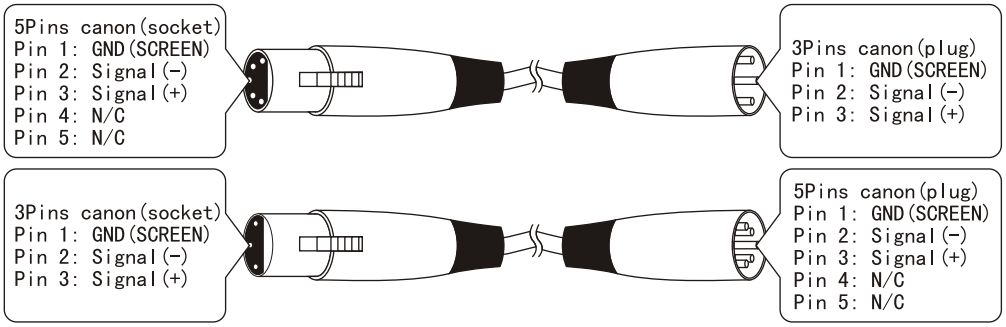
DMX-input
XLR mounting-plug:



11 - Ground
2 - Signal (-)
3 - Signal (+)

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120Ω resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

The transform of the controller line of 3 pins and 5 pins (plug and socket)

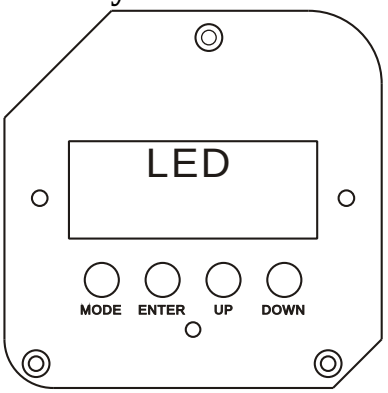


6. Control Board Operation

Function Table:

Mode	Function	Condition
PAN	Pan movement in positive or negative direction	YES--negative direction
tiLt	Vertical movement in positive or negative direction	YES--negative direction
Addr	Address code set	
rESt	Reset	YES--reset
COLI	Rainbow color wheel change color linear or stepping	YES--linear
COL2	Static color wheel change color linear or stepping	YES--linear
6060	Static gobo wheel change gobo linear or stepping	YES--linear
run	Working mode	OFF DMX512 mode
		PrG Automatic

Control board operation way:



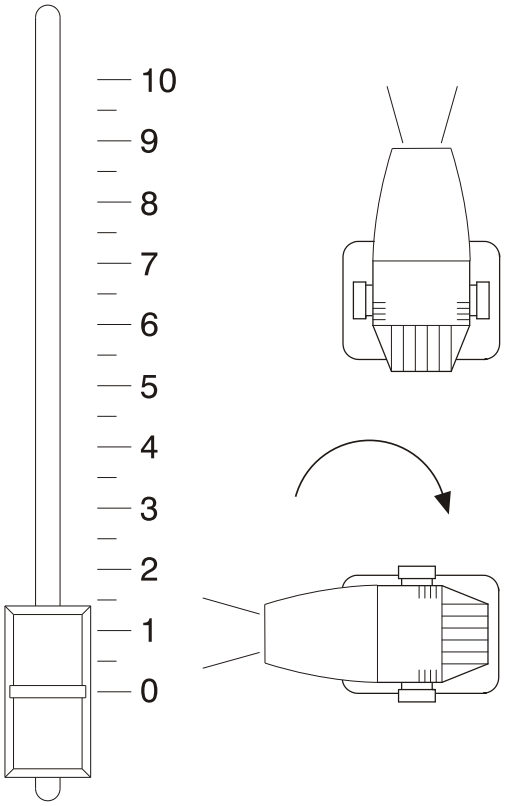
1.Select working mode by pressing MODE.
2.Press ENTER to confirm the selection.
3.Press UP and DOWN to select working condition.
4.Press ENTER to confirm the selection.

7. DMX512 Channel Function

CHANNEL	FUNCTION
1	PAN
2	TILT
3	PAN movement fine adjust
4	TILT movement fine adjust
5	Scan speed adjust
6	Focus, from near to far
7	Rainbow color wheel
8	Static color wheel
9	Prism, prism auto-rotation
10	Static gobo wheel
11	Rotation gobo wheel
12	Gobo rotate
13	Iris, from big to small
14	Zoom
15	Beam out / strobe
16	Dimmer

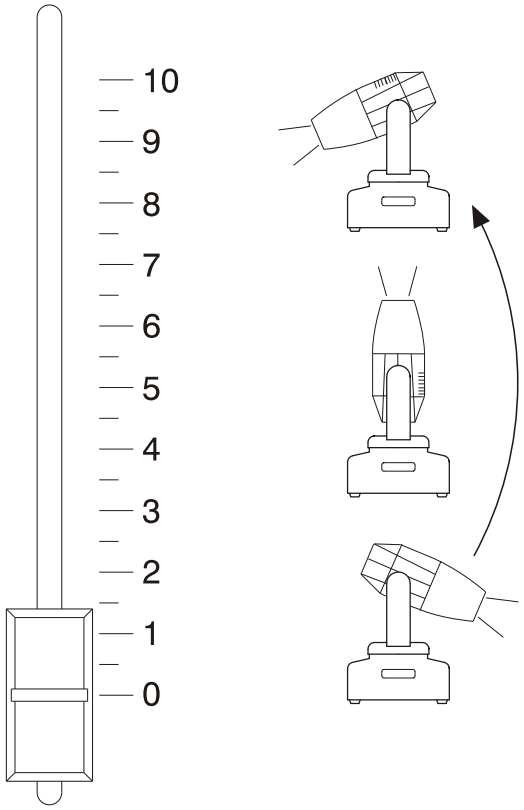
NOTE: When DMX value of the1th, 2th, 3th, 4th channel at 255 at the same time, the light will reset.

CHANNEL 1: PAN



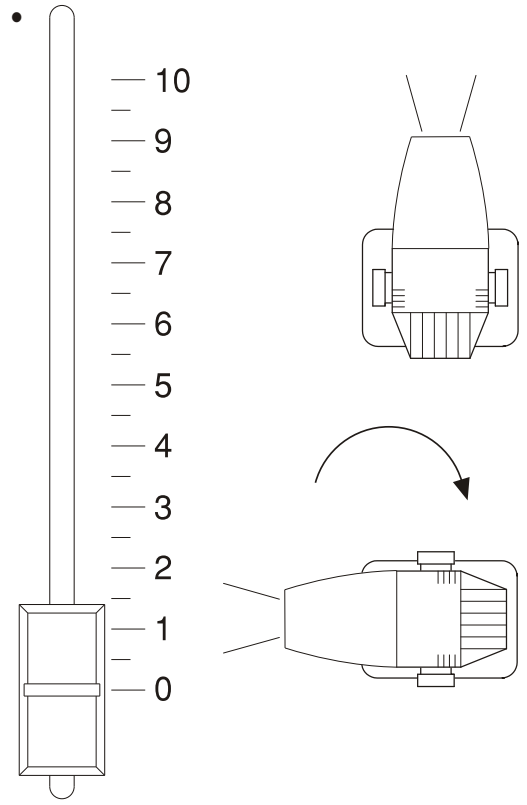
Value	%	Effect
255	100	**Clockwise** 530° **rotate**
0	0.0	

CHANNEL 2: TILT



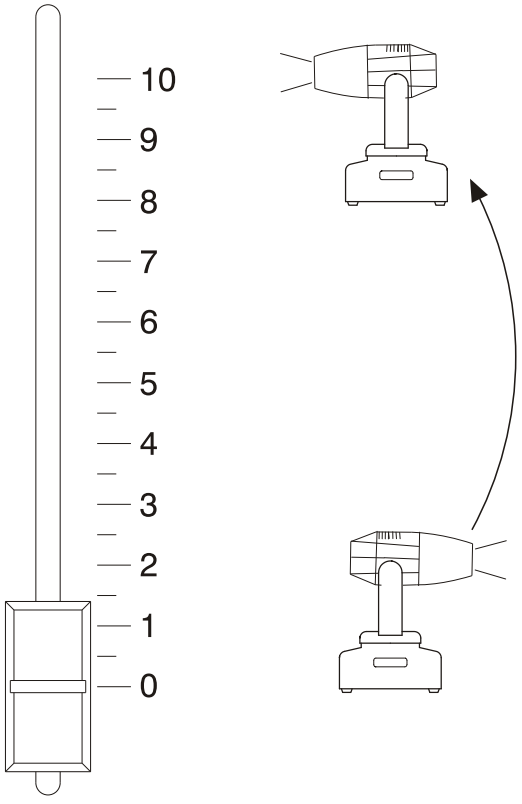
Value	%	Effect
255	100	Anti-clockwise 280° rotate
0	0.0	

CHANNEL 3: PAN movement fine adjust (16 BIT)



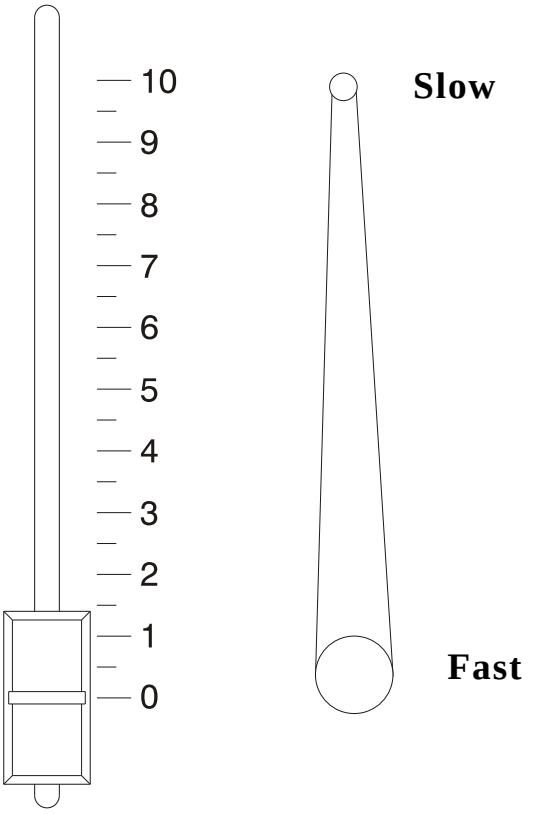
Value	%	Effect
255	100	Clockwise 3.6° rotate
0	0.0	0°

CHANNEL 4: TILT movement fine adjust(16 BIT)



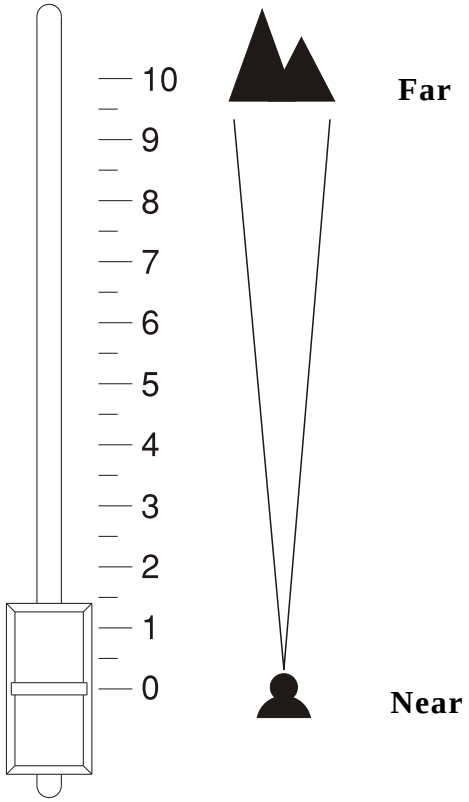
Value	%	Effect
255	100	Anti-clockwise 1.8° rotate
0	0.0	0°

CHANNEL 5: Scan speed adjust



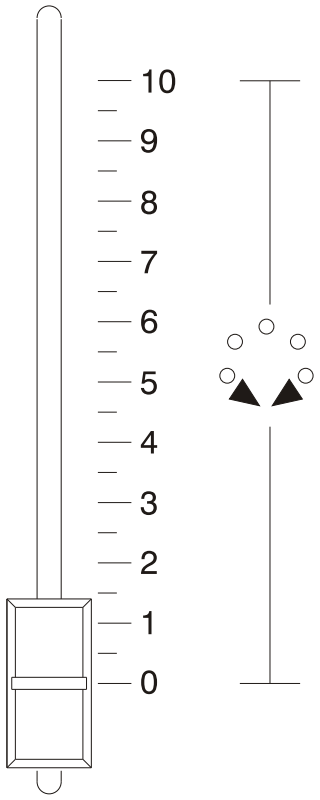
Value	%	Effect
255	100	Slow
0	0.0	fast

ÇHANNEL 6: Focus



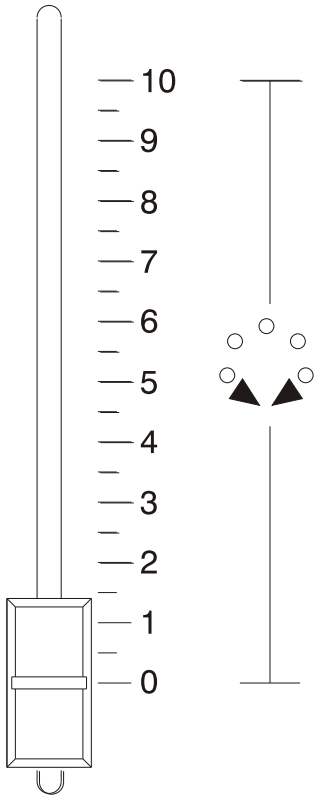
Value	%	Effect
255	100	far distance
0	0.0	close distance

CHANNEL 7: Rainbow color wheel



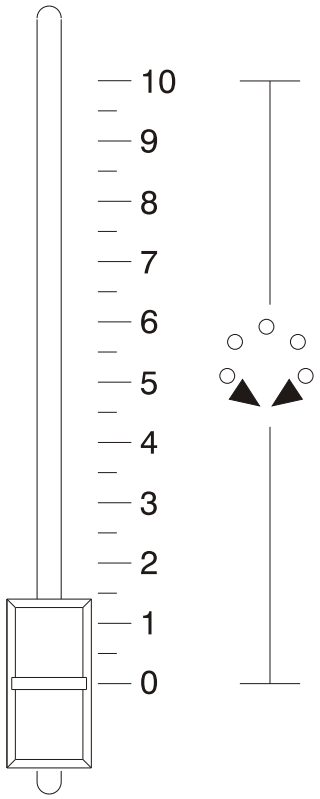
Value	%	Effect
200-255	79-100	Rainbow effect, from slow to fast.
180-199	71-78	Dark orange
160-179	63-70	Firefly light
140-159	56-62	Pink
120-139	48-55	Blue
100-119	39-47	Orange
80-99	32-38	Green
60-79	24-31	Rose
40-59	16-23	Yellow
20-39	8-15	Red
0-19	0-7	White beam

CHANNEL 8: Static color wheel



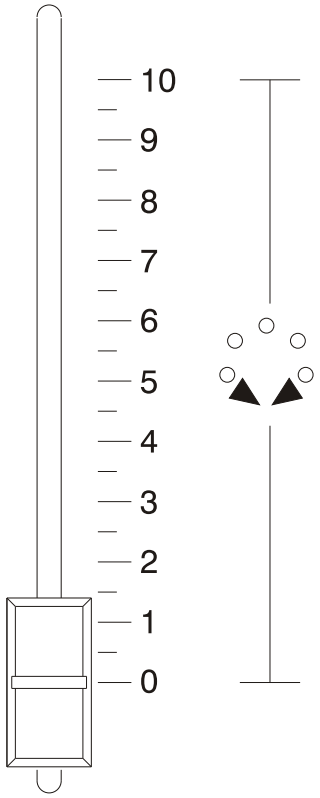
Value	%	Effect
234-255	91-100	Increase color temperature slip (6000K)
208-233	81-90	Decrease color temperature slip (3200K)
182-207	71-80	Light blue
156-181	61-70	Sky blue
130-155	51-60	Light orange
104-129	41-50	Pale green
78-103	31-40	Light purple
52-77	21-30	Pale yellow
26-51	10-20	Light red
0-25	0-9	White beam

CHANNEL 9: Prism、prism auto-rotation



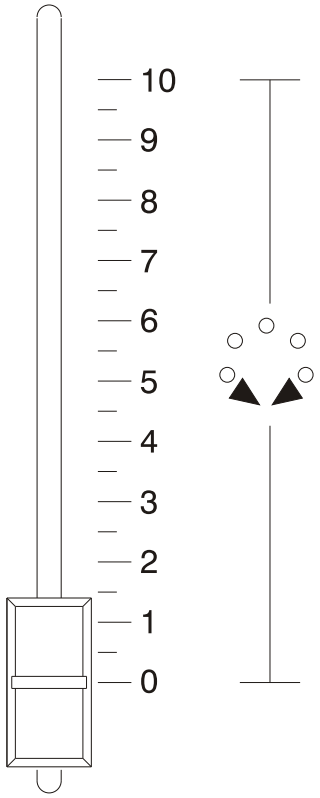
Value	%	Effect
132-255	53-100	Three-facet prism rotate from slow to fast.
128-131	51-52	Stop
5-127	3-50	Three-facet prism reverse rotate from slow to fast.
0-4	0-2	Stop

CHANNEL 10: Static gobo wheel



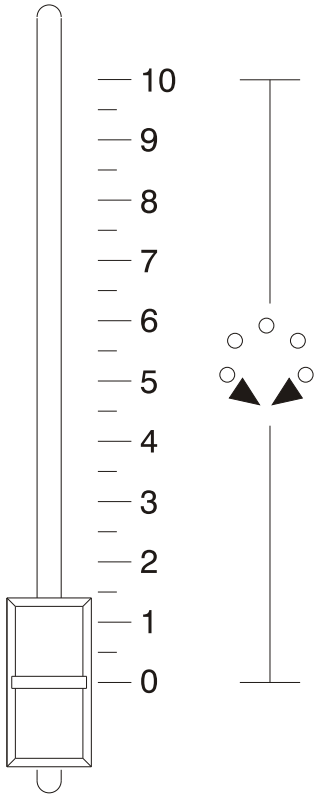
Value	%	Effect
200-255	79-100	Gobo flow effect, from slow to fast.
180-199	71-78	Gobo 9
160-179	63-70	Gobo 8
140-159	56-62	Gobo 7
120-139	48-55	Gobo 6
100-119	40-47	Gobo 5
80-99	32-39	Gobo 4
60-79	24-31	Gobo 3
40-59	16-23	Gobo 2
20-39	8-15	Gobo 1
0-19	0-7	White beam

CHANNEL 11: Rotating gobo wheel



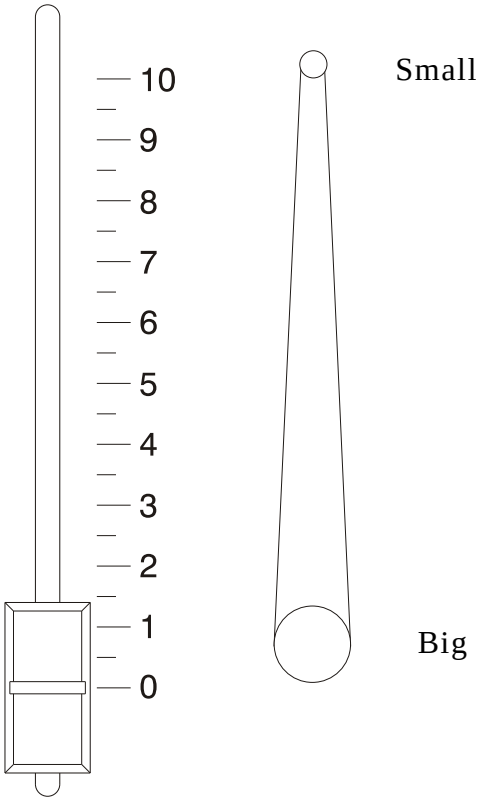
Value	%	Effect
222-255	87-100	Glass gobo 6
185-221	73-86	Glass gobo 5
148-184	59-72	Glass gobo 4
111-147	44-58	Metal gobo 3
74-110	30-43	Metal gobo 2
37-73	15-29	Metal gobo 1
0-36	0-14	White beam

CHANNEL 12:Rotation Gobo



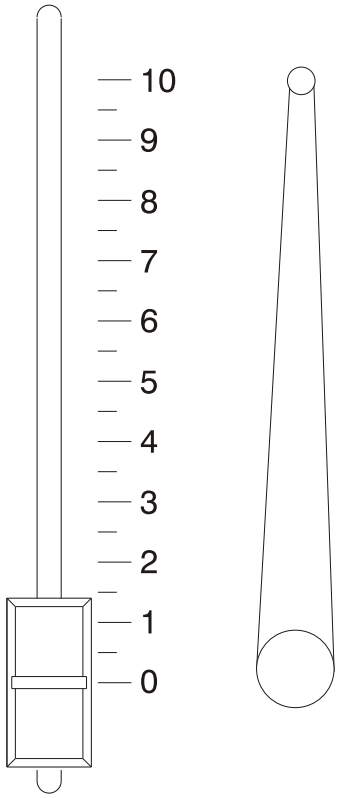
Value	%	Effect
159-255	62-100	Rotation gobo reverse rotate from slow to fast
61-158	24-61	Rotation gobo rotate from slow to fast
0-60	0-23	Gobo-indexing

CHANNEL 13: Iris



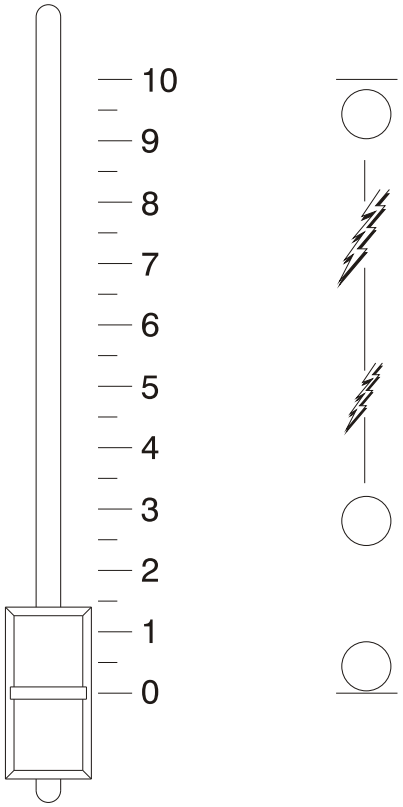
Value	%	Effect
255	0.0	Minimum
0	100	Maximum

CHANNEL 14: Zoom



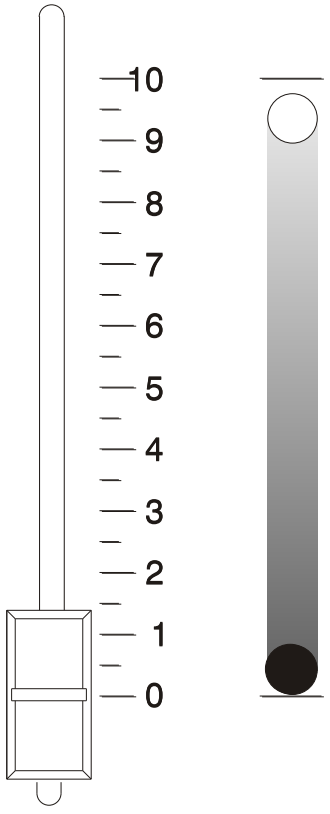
Value	%	Effect
180-255	71-100	Zoom22°
98-128	38-50	Zoom18°
98-128	38-50	Zoom15°
98-128	38-50	KEEP
66-98	25-38	Zoom22°
33-65	12-25	Zoom18°
0-32	0-12	Zoom15°

CHANNEL 15:Beam out / strobe



Value	%	Effect
251-255	99-100	Beam out
20-250	8-98	strobe, from slow to fast
0-19	0.0-7	Shutter

CHANNEL 16: Dimmer



Brightest

Black

Value	%	Effect
255	100	Brightest
0	0.0	Black

8. Technical specifications

Voltage……AC210/230/240V ,50/60Hz
Fuse T10A @230V
AC100/110/120V ,50/60Hz
Fuse T15A @110V

Rated Power: 850W

DMX512 Channel: 16CHS

Color Temperature: 7000K

Luminous: 49000 LUX

Lamp:Philips MSR575/2 95V/575W GX 9,5

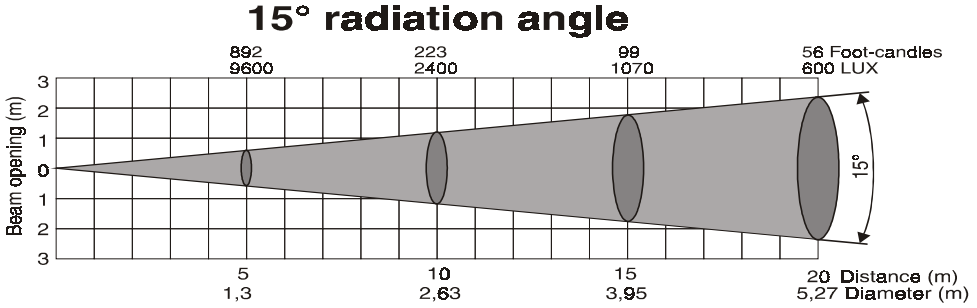
Optical System:
- High luminous-efficiency parabolic reflector
- Focus lens and multistep zoom lenses system
-Beam angles:15° , 18° , 22°
- All lenses are anti-reflection coated

Rigging
-Stands directly on the floor
-Mounts horizontally or vertically with 2 clamps
-2 truss orientation
-Safety chain/cord attachment bolt

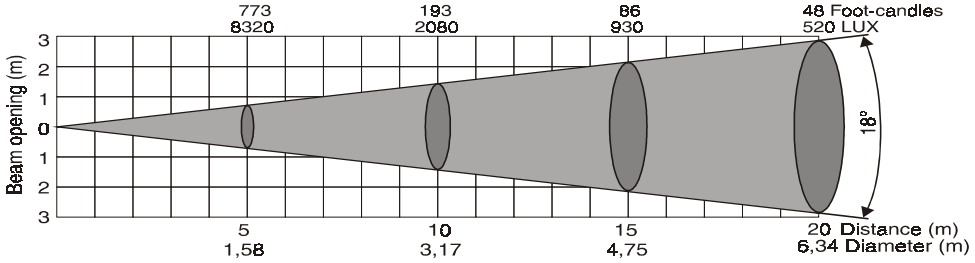
Temperatures
-Maximum ambient temperature ta: 40℃
-Maximum housing temperature tB (steady state): 80℃

Minimum distances
-Min.distance from flammable surfaces: 0.5m
-Min.distance to lighted object: 2.0m

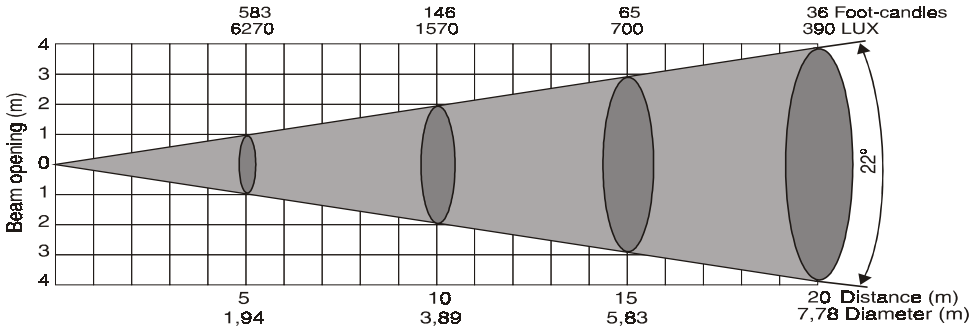
Dimensions and weight
-Length of base (including handles): 379 mm
-Width of yoke: 428 mm
-Height (head horizontal): 476 mm
-Weight (net): 36.5 kg



18° radiation angle



22° radiation angle



9. Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not buildup on or within the fixture. Otherwise, the fixtures light-output will be significantly reduced. Regular cleaning willnot only ensure the maximum light-output, but will also allow the fixture to function reliably throughout its life.A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

DANGER :Disconnect from the mains before starting anymaintenance work

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing thelight-output very quickly. The cooling-fans should be cleaned monthly.

The gobos may be cleaned with a soft brush. The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet.

The dichroic colour-filters, the gobo-wheel and the internal lenses should be cleaned monthly.

To ensure a proper function of the gobo-wheel , we recommend lubrication in six month intervals. The quantity of oil must not be excessive in order to avoid that oil runs out when the gobo-wheel rotates.

There are no serviceable parts inside the device except for the lamp and the fuse.Please refer to the instructions under "Fitting/Exchanging the lamp".Maintenance and service operations are only to be carried out by authorized dealers.

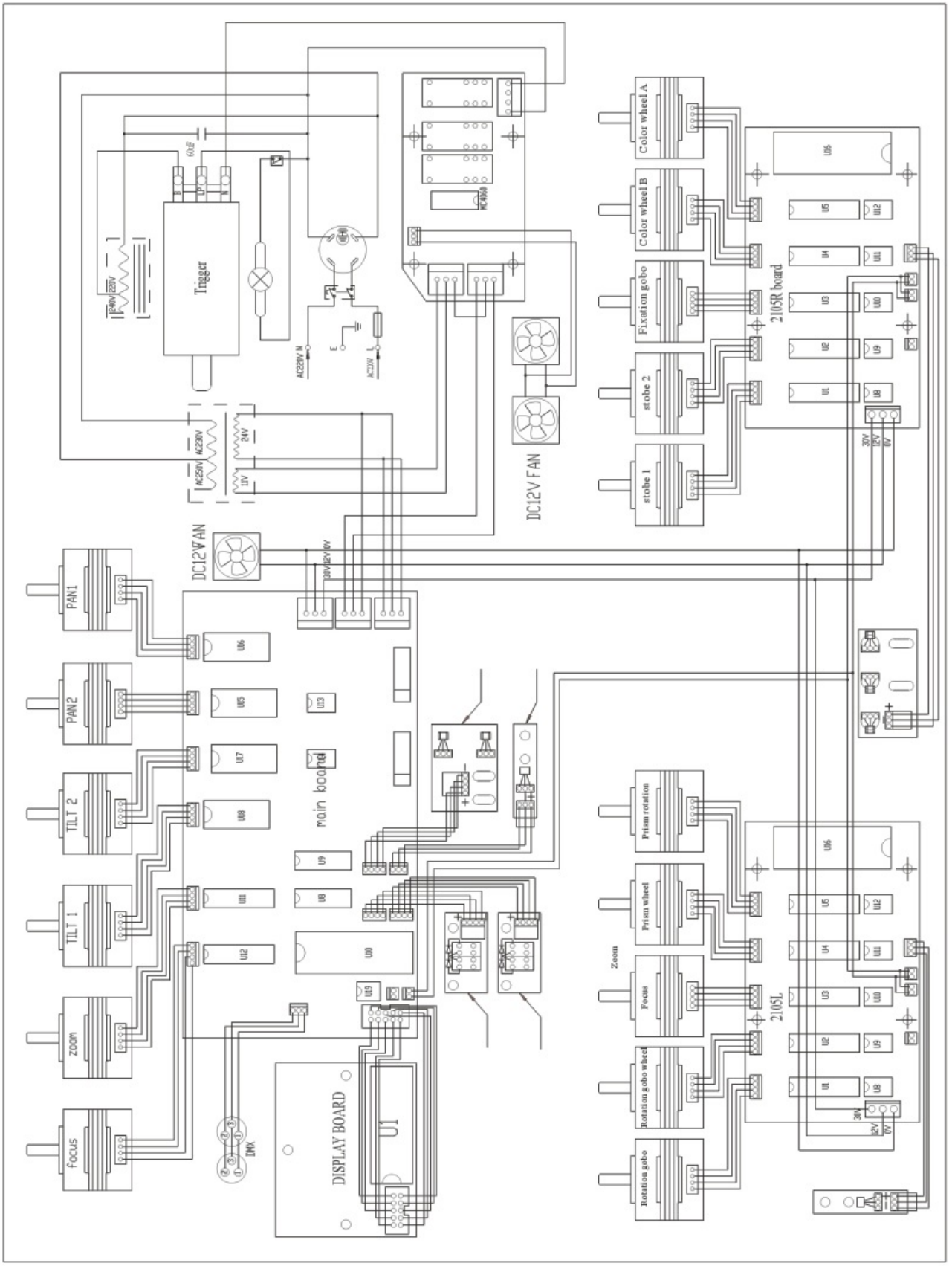
Replacing the fuse

If the lamp burns out, the fine-wire fuse of the device might fuse, too. Only replace the fuse by a fuse of same type and rating.Before replacing the fuse, unplug mains lead.

Procedure:

1) Unscrew the fuseholder on the rear panel of the base with a fitting screwdriver from the housing (anti- clockwise).
2) Remove the old fuse from the fuseholder.
3) Install the new fuse in the fuseholder.
4) Replace the fuseholder in the housing and fix it.

ELECTRICAL DIAGRAM



COMMON FAULTY MAINTAIN

FAULTY PHENOMENON		FAULTY ANALYSIS		FAULTY PART	PART No.
Whole light cann't work		Power plug loose		Plug cable for pc	27-00-0010-04
				Fuse	09-00-1002-01
		Damaged power switch		Power switch	08-05-0400-03
No light from bulb		Reach the lifespan or bed quality of bulb		Msd575/2 lamp	07-11-0017-00
		Damaged trigger		B electronic trigger	11-10-0008-00
		Damaged temperature switch		110℃10A/250V temperature switch	08-07-0020-00
		Damaged ballast		575W ballast	06-03-Z020-00
Bulb lighting ,whole light normal but fans can not work		Damaged fan on head of light		92*92*25 12VDC	6-00-0008-02
		Damaged fan on bottom of light		80*80*25 12VDC fan	16-00-0008-04
BULB AND FANS NORMAL	Complete light can not reseat	Damaged display board		2105 display board	26-2A-YX2105DI-00
		Whether the signal cable good or not		5 meters cable sets	27-04-0010-00
		Operate		User manual	30-01-YX2105-00
	Tilt can not work	MAIN BOARD CAN NOT WORK	Strap of focus break	270HTD/GT3M weight 6m	18-06-0009-00
			Damaged motor of focus	42BYGH004-02 motor	15-00-0073-01
	Focus can not work		Damaged motor of tilt	23HS0001-02 motor	15-00-0076-00
			Strap of tilt break	420HTD/GT3M weight 6mm	18-06-0009-02
	Pan can not work		Damaged motor of tilt	23HS0001-02motor	15-00-0076-00
			Strap of pan break	552HTD/GT3M weight6mm	18-06-0009-03
Bulb lighting,fans normal	Rotation gobo wheel cannot change gobo	L board faulty	Motor for rotation gobo wheel faulty	42BYGH026-1motor	15-00-0033-00
			Motor of damp pole faulty	Damp pole	34-01-RD2105_03-00
	Gobo can not rotation		Motor for rotation gobo faulty	16HY0002-16	15-00-0078-00
			Rotation gobo wheel faulty	Rotation gobo wheel	34-01-RD2105_20-00
	图案复位不准		Rotation gobo wheel sensor faulty	YX2105 tilt sensor	26-2A-YX2105HRT-00
	Prism wheel can not rotation		Motor for prism rotation faulty	16HY0002 motor	15-00-0007-00
			Prism wheel faulty	Prism wheel	34-01-RD2105_56-00
	Has not prism effect		Motor for Prism wheel faulty	42BYGH0026-2 motor	15-00-0079-00
			Damp pole faulty	Damp pole	34-01-RD2105_03-00
	Can not zoom		Motor for zoom faulty	42BYGH004-02 motor	15-00-0073-01
	Fixed gobo wheel can not change gobo	R board faulty	Motor for fixed gobo wheel faulty	42BYGH004-02 motor	15-00-0073-01
	Can not strobe /dimmer		Motor for strobe faulty	42BYGH004-02	15-00-0073-01
	Color wheel A can not change color		Motor for color wheel A	42BYGH026-2	15-00-0079-00
			Motor of damp pole faulty	Damp pole	34-01-RD2105_03-00
	Color wheel B can not change color		Motor for color wheel B faulty	42BYGH004-06	15-00-0073-00
	Color wheel/fixed gobo wheel reseat faulty		Fixed gobo wheel sensor faulty	Color wheel sensor	26-2A-YX2105HRCG-00
	Can not automatism	Display board faulty		Display board	26-2A-2105DI-00
				Display board CPU	00-89S8252-00

Name	PART NO.	REMARK
Motor(focus) (main pcb)	15-00-0073-01	42BYGH004-02
Motor(aperture) (main pcb)	15-00-0073-01	42BYGH004-02
Motor(pan1/2) (main pcb)	15-00-0076-00	23HS0001-02
Motor(tilt1/2) (main pcb)	15-00-0076-00	23HS0001-02
U11-12 (main pcb)	00-6219-01	DRIVER CHIP
U8-9 (main pcb)	00-77E58-00	SOFTWARE CHIP
U15-18 (main pcb)	00-3772-00	DRIVER CHIP
U13-14 (main pcb)	00-39612-00	D/A CONVERSION CHIP
U19 (main pcb)	00-75176-00	DMX CHIP
U10 (main pcb)	00-77E58-00	SOFTWARE CHIP
(main pcb)	26-2A-YX2105M-00	(MAIN PCB)
Pan auto -reset sensor	26-2A-YX2105GM-00	YX2105 tilt auto -reset sensor
Tilt auto -reset sensor	26-2A-YX2105GM-00	YX2105 pan auto -reset sensor
Pan sensor	26-2A-YX2105HRP-00	Yx2105 pan sensor
Tilt sensor	26-2A-YX2105HRT-00	Yx2105 tilt sensor
Motor(gobo rotation)	15-00-0078-00	16HY0002-16
Motor(gobo) (2105l pcb)	15-00-0033-00	42BYGH026-1
Motor(zoom) (2105l pcb)	15-00-0073-01	42BYGH004-02
Motor(prism wheel) (2105l pcb)	15-00-0079-00	42BYGH026-2
Motor(prism rotation) (2105l pcb)	15-00-0007-00	16HY0002
U1-5 (2105l pcb)	00-6219-01	DRIVER CHIP
U8-12 (2105l pcb)	00-7528-01	D/A CONVERSION CHIP
U16 (2105l pcb)	00-89S52-00	SOFTWARE CHIP
2105l pcb	26-2A-YX2105LR-00	2105L PCB
Rotation gobo wheel sensor	26-2A-YX2105HRT-00	Yx2105 tilt sensor
Motor(shutter) (2105r pcb)	15-00-0073-01	42BYGH004-02
Motor(mix gobos) (2105r pcb)	15-00-0073-01	42BYGH004-02
Motor（colour b) (2105r pcb)	15-00-0073-00	42BYGH004-06
Motor（colour a) (2105r pcb)	15-00-0079-00	42BYGH026-2
Fixed gobo wheel sensor （2105r pcb)	26-2A-YX2105HRCG-00	YX2105 sensor
U1-5 (2105r pcb)	00-6219-01	DRIVER CHIP
U8-12 (2105r pcb)	00-7528-01	D/A CONVERSION CHIP
U16 (2105r pcb)	00-89S52-00	SOFTWARE CHIP
Protect board	26-3A-BHB-05	time-lapse protect board
Fan on the head	16-00-0008-02	92*92*25 12VDC
DISPLAY PCB	26-2A-2105DI-00	2105DI. PCB
fan on the bottom	16-00-0008-03	80*80*25 12VDC
transrormer	06-00-B074-00	11V/24V/230V/250V/220W
ballast	06-03-Z020-00	575W ballast
power supply filter	05-6A-001-251	250V 16A
power swith	08-05-0400-03	250V 15A
temperature switch	08-07-0020-00	110° 250V 10A
lamp	07-11-0017-00	MSR575/2
igniter	11-10-0008-00	220/240V 50/60Hz